Contents

Marine Geology Volume 91, 1990

Research Papers

The importance of the oxygen minimum zone and sediment geochemistry in the distribution of Recent benthic foraminifera in the northwest Indian Ocean
J.O.R. Hermelin (Stockholm, Sweden) and G.B. Shimmield (Edinburgh, U.K.) 1
The origin of major incisions within the Pleistocene deposits of the North Sea
R. Wingfield (Nottingham, U.K.) 31
Transgressive sand bodies on the Maresme continental shelf, western Mediterranean Sea
J.I. Díaz and A. Maldonado (Barcelona, Spain) 53

Special section. The Beaufort Sea Coastal Zone
(Edited by P.R. Hill)

Preface 74

Morphology of the Canadian Beaufort Sea Coast
J.R. Harper (Suva, Fiji) 75
Coastal geology of the King Point area, Yukon Territory, Canada
P.R. Hill (Dartmouth, N.S., Canada) 93
Coastal retreat and shoreface profile variations in the Canadian Beaufort Sea
A. Héquette (Dartmouth, N.S., Canada) and P.W. Barnes (Menlo Park, Calif., U.S.A.) 113
Bulldozing and resuspension of shallow-shelf sediment by ice keels: Implications for Arctic sediment transport trajectories
D.M. Rearic, P.W. Barnes and E. Reimnitz (Menlo Park, Calif., U.S.A.) 133

Letter Section

Mid-Holocene sea-level change on the Eastern Shore of Virginia
O. van de Plassche (Amsterdam, The Netherlands) 149

Book Reviews

Pollution of the North Sea: An Assessment by W. Salomons, B.L. Bayne, E.K. Duursma and U. Foerstner (Editors) — M. Ehrhardt 155
Green Marine Clays. Oolitic Ironstone Facies, Verdine Facies, Glaucony Facies and Celedonite-Bearing Rock Facies — a Comparative Study by G.S. Odin (Editor) — H. Chamley 156

1989 Year-End Index, Volumes 86–90 159

Research Papers

Geology of the strata exposed on the Florida Escarpment
C.K. Paull (Chapel Hill, N.C., U.S.A.), R. Freeman-Lynde (Athens, Ga., U.S.A.), T.J. Bralower (Miami, Fla., U.S.A.), J.M. Gardemal and A.C. Neumann (Chapel Hill, N.C., U.S.A.) and B. D'Argenio and E. Marsella (Naples, Italy) .. 177
Cold-front driven storm erosion and overwash in the central part of the Isles Dernieres, a Louisiana barrier-island arc
J.R. Dingler and T.E. Reiss (Menlo Park, Calif., U.S.A.) 195
Stability of giant sand waves in eastern Long Island Sound, U.S.A.
M.S. Fenster and D.M. Fitzgerald (Boston, Mass., U.S.A.), W.F. Bohlen and R.S. Lewis (Groton, Conn., U.S.A.) and C.T. Baldwin (Boston, Mass., U.S.A.) 207
Morphology and development of a deep-sea meandering canyon (Boso Canyon) on an active plate margin, Sagami Trough, Japan
W. Soh, H. Tokuyama, K. Fujioka, S. Kato and A. Taira (Tokyo, Japan) 227
Suspended sediment movement in the estuary of the Ganges–Brahmaputra–Meghna river system
D.K. Barua (Dhaka, Bangladesh) 243

Letter Section

Submerged reef systems on the central western continental shelf of India
K.H. Vora and F. Almeida (Goa, India) 255
Computer tomography: A nondestructive, high-resolution technique for investigation of sedimentary structures
P. Holler and F.-C. Kögler (Kiel, F.R.G.) 263

Research Papers

Deep-reaching liquefaction potential of marine slope sediments as a prerequisite of gravity mass flows? (Results from the DSDP)
G. Einsele (Tübingen, F.R.G.) 267
Seismic evidence for a complex slide near the wreck of the Titanic: Model of an instability corridor for non-channeled gravity events
B. Savoye and P. Cochonat (Plouzané, France) and D.J.W. Piper (Dartmouth, N.S., Canada) 281
Wave refraction patterns and sediment transport in Monifieth Bay, Tay Estuary, Scotland
A.M.A. Al-Mansi (Riyadh, Saudi Arabia) 299
Distribution of fluorine in recent marine sediments related to petrographic composition: Bransfield Strait and northwestern Weddell Sea, Antarctica
D. Matthies and G. Troll (Munich, F.R.G.) 313

Letter Section

Late Quaternary deltaic lowstand wedges on the Rhône continental shelf, France
M. Tesson and B. Gensous (Perpignan, France), G.P. Allen (Pessac, France) and Ch. Ravenne (Rueil Malmaison, France) 325
Shallow seismic studies on the inner continental shelf off selected bays, central west coast of India
M.V. Ramana and A.R. Gujar (Goa, India) and G.V. Rajamanickam (Tanjavur, India) 333

Book Review

Tides, Surges and Mean Sea-level: A Handbook for Engineers and Scientists by D.T. Pugh — R.L. Soulsby 345

Current Titles in Marine Geology 347

Errata 357

Guide for Authors